

Virginia Division of Consolidated Laboratory Services- Richmond, VA

NITRATE - COLORMETRIC EPA 352.1 1971					
Facility Name: _____ VELAP ID: _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date: _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
1. Were unpreserved samples stored as follows? Nonpotable: ≤ 6°C up to 48 hours Drinking water: ≤ 6°C up to 48 hours unless chlorinated, which can be held up to 14 days.	40CFR 136.3, 40CFR 141.23, EPA 815-R-05-004				
2. Are samples adjusted to pH ~ 7 with acetic acid or NaOH and filter is necessary?	7.0				
3. Is brucine-sulfanilic reagent stored in dark bottle at 5 C?	6.4				
4. Is KNO3 stock standard preserved with 2 mL/L chloroform and prepared at least every 6 months?	6.5				
5. Are working standards prepared weekly?	6.6				
6. Is duplicate set of samples analyzed with all reagents except brucine-sulfanilic acid?	7.3				
7. Is 10 mL of samples, blanks, standards pipetted into each test tubes?	7.4				
8. Is 10 mL of H2SO4 solution added to each tube and allowed to equilibrate in 0-10 C cold water bath?	7.6				
9. Is brucine-sulfanilic added (except controls) and tubes place in 100 C water bath for exactly 25 minutes?	7.7				
10. Are tubes placed in cold water bath and then allowed to equilibrate at 20-25 C?	7.8				
11. Is absorbance read at 410 nm?	7.9				
12. Is absorbance of control subtracted from sample?	8.2				
Notes/ Comments:					